ELSEVIER SCIENTIFIC PUBLISHERS IRELAND

Plant Science 93 (1993) 223–225

PLANT SCIENCE

Subject index

Volume 93 (1993)

Acer pseudoplatanus, callose, *Fraxinus excelsior*, 1,3-beta-D-glucanase, spring reactivation, *Salix caprea*, 19
Agrobacterium rhizogenes, polyamines, ethylene, flowering, Ri TL-DNA, genetic transformation, 63
Agrobacterium tumefaciens, genetic transformation, *Helianthus annuus* × *Helianthus tuberosus*, 105
Anaerobiosis, anoxia, hypoxia, review, rice, stress, 1
Anoxia, anaerobiosis, hypoxia, review, rice, stress, 1
Apium graveolens, pathogenesis-related proteins, chitinase, *Fusarium oxysporum* f. sp. *apii*, 31
Arachis hypogea, groundnut, hygromycin resistance, plant transformation, 185
Ascorbate peroxidase, iron requirement, thiobarbituric acid-reactive substances: TBARS, *Euglena gracilis*, 25
Avocado, oleosins, oil bodies, olive, triacyclglycerols, 203
Avidin, biotin, fusion, model, protoplasts, simulation, 131

Bacteriocide, *Prunus persica*, *Xanthomonas campestris*, *Pseudomonas syringae*, cytofluorometry, merocyanine 540, fluorescein diacetate, 143
1,3-Beta-D-glucanase, *Acer pseudoplatanus*, callose, *Fraxinus excelsior*, spring reactivation, *Salix caprea*, 19
Biotin, avidin, fusion, model, protoplasts, simulation, 131
Brassica napus L., microspores, pollen nuclease activity, electroporation, transient GUS expression, 177

Callose, *Acer pseudoplatanus*, *Fraxinus excelsior*, 1,3-beta-D-glucanase, spring reactivation, *Salix caprea*, 19
Carthamus tinctorius, safflower, direct shoot regeneration, immature embryo culture, 151
Cassava, transient gene expression, β-glucuronidase, luciferase, DNase, 121
Catalase, development, isozymes, tissue culture, maize, 195
Cell ploidy, *Rosa hybrida*, flow cytometry, somatic embryogenesis, cell suspension, plant regeneration, 159
Cell suspension, *Rosa hybrida*, cell ploidy, flow cytometry, somatic embryogenesis, plant regeneration, 159
Chitinase, pathogenesis-related proteins, *Fusarium oxysporum* f. sp. *apii*, *Apium graveolens*, 31
Chromosome number, *Stevia rebaudiana*, suspension cultures, in vitro selection, 169
Cichorium intybus, somatic embryogenesis, protein synthesis, two-dimensional polyacrylamide gel electrophoresis, 41
Citrus, phosphonic acid, *Phytophthora citrophthora*, elicitor, scoparone, 55
Conversion, somatic embryogenesis, desiccation, *Glycine max*, 117
Cytofluorometry, *Prunus persica*, *Xanthomonas campestris*, *Pseudomonas syringae*, merocyanine 540, fluorescein diacetate, bacteriocide, 143
Cytokinins, nitrate, nitrogen assimilation, zeatin riboside, 77

Desiccation, somatic embryogenesis, conversion, *Glycine max*, 117
Development, maize, tissue culture, isozymes, catalase, 195
Direct shoot regeneration, *Carthamus tinctorius*, safflower, immature embryo culture, 151
DNase, transient gene expression, β-glucuronidase, luciferase, cassava, 121

Electroporation, *Brassica napus* L., microspores, pollen nuclease activity, transient GUS expression, 177
Elicitor, phosphonic acid, *Phytophthora citrophthora*, *Citrus*, scoparone, 55
Ethylene, polyamines, flowering, Ri TL-DNA, *Agrobacterium rhizogenes*, genetic transformation, 63
Euglena gracilis, iron requirement, ascorbate peroxidase, thiobarbituric acid-reactive substances: TBARS, 25

Flow cytometry, *Rosa hybrida*, cell ploidy, somatic embryogenesis, cell suspension, plant regeneration, 159
Flowering, polyamines, ethylene, Ri TL-DNA, *Agrobacterium rhizogenes*, genetic transformation, 63
Fluorescein diacetat, *Prunus persica*, *Xanthomonas campestris*, *Pseudomonas syringae*, cytofluorometry, merocyanine 540, bacteriocide, 143
Fraxinus excelsior, *Acer pseudoplatanus*, callose, 1,3-beta-D-glucanase, spring reactivation, *Salix caprea*, 19
Fusarium oxysporum f. sp. *apii*, pathogenesis-related proteins, chitinase, *Apium graveolens*, 31
Fusion, avidin, biotin, model, protoplasts, simulation, 131

Genetic relationship, wheat, RAPD, molecular markers, 95
Genetic transformation, *Agrobacterium tumefaciens*, *Helianthus annuus* × *Helianthus tuberosus*, 105
Genetic transformation, polyamines, ethylene, flowering, Ri TL-DNA, *Agrobacterium rhizogenes*, 63
β-Glucuronidase, transient gene expression, luciferase, DNase, cassava, 121
Glycine max, somatic embryogenesis, conversion, desiccation, 117
Groundnut, plant transformation, hygromycin resistance, *Arachis hypogea*, 185

Helianthus annuus × *Helianthus tuberosus*, *Agrobacterium tumefaciens*, genetic transformation, 105
Hygromycin resistance, groundnut *Arachis hypogea* plant transformation, 185
Hypoxia, anaerobiosis, anoxia, review, rice, stress, 1

Immature embryo culture, *Carthamus tinctorius*, safflower, direct shoot regeneration, 151
In vitro selection, *Stevia rebaudiana*, chromosome number, suspension cultures, 169
Iron requirement, ascorbate peroxidase, thiobarbituric acid-reactive substances: TBARS, *Euglena gracilis*, 25
Isozymes, tissue culture, development, catalase, maize, 195

Kanamycin, transformation, *Triticum aestivum*, molecular analysis, 85

Luciferase, transient gene expression, β-glucuronidase, DNase, cassava, 121

Malus × *domestica*, tissue culture, screening for disease resistance, 211
Maize, development, isozymes, tissue culture, catalase, 195
Merocyanine 540, *Prunus persica*, *Xanthomonas campestris*, *Pseudomonas syringae*, cytofluorometry, fluorescein diacetate, bacteriocide, 143
Microspores, *Brassica napus* L., pollen nuclease activity, electroporation, transient GUS expression, 177
Model, avidin, biotin, fusion, protoplasts, simulation, 131
Molecular analysis, transformation, kanamycin, *Triticum aestivum*, 85
Molecular markers, wheat, RAPD, genetic relationship, 95

Nitrate, cytokinins, nitrogen assimilation, zeatin riboside, 77
Nitrogen assimilation, cytokinins, nitrate, zeatin riboside, 77

Oil bodies, triacyclglycerols, oleosins, olive, avocado, 203
Oleosins, olive, avocado, oil bodies, triacylglycerols, 203
Olive, triacylglycerols, oil bodies, avocado, oleosins, 203

Pathogenesis-related proteins, chitinase, *Fusarium oxysporum* f. sp. *apii*, *Apium graveolens*, 31
Phosphonic acid, *Phytophthora citrophthora*, *Citrus*, elicitor, scoparone, 55
Phytophthora citrophthora, phosphonic acid, *Citrus*, elicitor, scoparone, 55
Plant regeneration, *Rosa hybrida*, cell ploidy, flow cytometry, somatic embryogenesis, cell suspension, 159
Plant transformation, *Arachis hypogea*, hygromycin resistance, groundnut, 185
Pollen nuclease activity, *Brassica napus* L., microspores, electroporation, transient GUS expression, 177
Polyamines, ethylene, flowering, Ri TL-DNA, *Agrobacterium rhizogenes*, genetic transformation, 63
Protein synthesis, *Cichorium intybus*, somatic embryogenesis, two-dimensional polyacrylamide gel electrophoresis, 41
Protoplasts, avidin, biotin, fusion, model, simulation, 131
Prunus persica, *Xanthomonas campestris*, *Pseudomonas syringae*, cytofluorometry, merocyanine 540, fluorescein diacetate, bacteriocide, 143
Pseudomonas syringae, *Prunus persica*, *Xanthomonas campestris*, cytofluorometry, merocyanine 540, fluorescein diacetate, bacteriocide, 143

RAPD, wheat, molecular markers, genetic relationship, 95
Review, anaerobiosis, anoxia, hypoxia, rice, stress, 1
Ri TL-DNA, polyamines, ethylene, flowering, *Agrobacterium rhizogenes*, genetic transformation, 63
Rice, anaerobiosis, anoxia, hypoxia, review, stress, 1
Rosa hybrida, cell ploidy, flow cytometry, somatic embryogenesis, cell suspension, plant regeneration, 159

Safflower, *Carthamus tinctorius*, direct shoot regeneration, immature embryo culture, 151
Salix caprea, *Acer pseudoplatanus*, callose, *Fraxinus excelsior*, 1,3-beta-D-glucanase, spring reactivation, 19
Scoparone, phosphonic acid, *Phytophthora citrophthora*, *Citrus*, elicitor, 55
Screening for disease resistance, *Malus* × *domestica*, tissue culture, 211
Simulation, avidin, biotin, fusion, model, protoplasts, 131
Somatic embryogenesis, *Cichorium intybus*, protein synthesis, two-dimensional polyacrylamide gel electrophoresis, 41
Somatic embryogenesis, *Rosa hybrida*, cell ploidy, flow cytometry, cell suspension, plant regeneration, 159
Somatic embryogenesis, conversion, desiccation, *Glycine max*, 117
Spring reactivation, *Acer pseudoplatanus*, callose, *Fraxinus excelsior*, 1,3-beta-D-glucanase, *Salix caprea*, 19
Stevia rebaudiana, chromosome number, suspension cultures, in vitro selection, 169
Stress, anaerobiosis, anoxia, hypoxia, review, rice, 1
Suspension cultures, *Stevia rebaudiana*, chromosome number, in vitro selection, 169

Thiobarbituric acid-reactive substances: TBARS, iron requirement, ascorbate peroxidase, *Euglena gracilis*, 25
Tissue culture, development, catalase, isozymes, maize, 195
Tissue culture, *Malus* × *domestica*, screening for disease resistance, 211
Transformation, kanamycin, *Triticum aestivum*, molecular analysis, 85
Transient gene expression, β-glucuronidase, luciferase, DNase, cassava, 121

Transient GUS expression, *Brassica napus* L., microspores, pollen nuclease activity, electroporation, 177
Triacylglycerols, olive, avocado, oil bodies, oleosins, 203
Triticum aestivum, transformation, kanamycin, molecular analysis, 85
Two-dimensional polyacrylamide gel electrophoresis, *Cichorium intybus*, somatic embryogenesis, protein synthesis, 41
Wheat, RAPD, molecular markers, genetic relationship, 95
Xanthomonas campestris, *Prunus persica*, *Pseudomonas syringae*, cytofluorometry, merocyanine 540, fluorescein diacetate, bacteriocide, 143
Zeatin riboside, cytokinins, nitrate, nitrogen assimilation, 77

ELSEVIER SCIENTIFIC PUBLISHERS IRELAND

Plant Science 93 (1993) 227

PLANT SCIENCE

Author index

Volume 93 (1993)

Adang, M.J. 185
Anderson, W.F. 185
Ajmone Marsan, P. 85
Aldwinckle, H.S. 211
Ali, M.K. 55
Alibert, G. 177
Alpi, A. 1
Arias-Garzon, D.I. 121

Bailey, M.A. 117
Baroncelli, S. 105
Ben-Hayyim, G. 63
Biasini, M.G. 105
Boerma, H.R. 117
Boulay, M. 159
Boyer, C. 41
Brown, S.C. 159
Burtin, D. 63

Cattaneo, M. 85
Clemente T.E. 185
Corbineau, F. 63

Dyer, W.E. 151

Eschrich, W. 19

Fambrini, M. 105
Ferreira, C.M. 169
Floh, E.I.S. 169

Grumet, R. 31

Hammerschlag, F.A. 143
Handro, W. 169
Hilbert, J.-L. 41
Hirayama, O. 25

Ishikawa, T. 25

Jardinaud, F. 177
Joshi, C.P. 95

van Kesteren, W.J.P. 131
Krabel, D. 19
Krebs, S.L. 31

Larsson, C.-M. 77
Lepoivre, P. 55
Locatelli, F. 85
Lupotto, E. 85

Martin-Tanguy, J. 63
Millan, F. 203
Mills, D. 143
Mitsunaga, T. 25
Molema, E. 131
Moyne, A.L. 159
Murphy, D.J. 203

Nguyen, H.T. 95

Orlikowska, T.K. 151
Ozias-Akins, P. 185

Parrott, W.A. 117
Perata, P. 1
Pugliesi, C. 105

Qiao, Y.-M. 85

Racchi, M.L. 195
Ross, J.H.E. 203
Samuelson, M.E. 77
Sanchez J. 203
Sangwan-Norreel, B.S. 159
Sayre, R.T. 121
Semal, J. 55
Schnall, J.A. 185
Shigeoka, S. 25
Singsit, G. 185
Souq, F. 159
Souvrè, A. 177

Takeda, T. 25
Tempelaar, M.J. 131
Tepfer, D. 63
Terragna, C. 195

Vasseur, J. 41

Weissinger, A.K. 185
Wirth, S. 19
Wolf, G. 19

Yean, L.H. 159
Yepes, L.M. 211